

Substitute for forms 1449A/PTO &amp; 1449B/PTO

# **FIRST INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

ATTORNEY'S DKT NO.  
033897-003

APPLICATION NO.  
Unassigned

APPLICANT  
Yoshiki HIRANO et al.

FILING DATE  
September 10, 2003

GROUP  
Unassigned

## **U.S. PATENT DOCUMENTS**

Examiner Initials	Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Issue/Publication Date (MM-DD-YYYY)
A.Z.	4,933,551		Bernius et al.	06-12-1990
A.Z.	4,649,278		Chutjian et al.	03-10-1987

## **FOREIGN PATENT DOCUMENTS**

Examiner Initials	Document Number	Kind Code (if known)	Country	Date of Publication (MM-DD-YYYY)	Translation	
					Yes	No
A.Z.	06-011485		Japan	01-21-1994	Abstract Only	
A.Z.	2001-174437		Japan	06-29-2001	Abstract Only	
A.Z.	2001-351567		Japan	12-21-2001	Abstract Only	
A.Z.	2001-351568		Japan	12-21-2001	Abstract Only	
A.Z.	2002-124208		Japan	04-26-2002	Abstract Only	
A.Z.	2002-170518		Japan	06-14-2002	Abstract Only	

## **NON PATENT LITERATURE DOCUMENTS**

Examiner Initials	Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
A.Z.	R.V. HODGES ET AL., "APPLICATION OF ALKALI IONS IN CHEMICAL IONIZATION MASS SPECTROMETRY", Analytical Chemistry, vol. 48, No. 5, pp. 825-829 (1976)
A.Z.	DANIEL BOMBICK, ET AL., "POTASSIUM ION CHEMICAL IONIZATION AND OTHER USES OF AN ALKALI THERMIONIC EMITTER IN MASS SPECTROMETRY", Analytical Chemistry, Vol. 56, No. 3, pp. 396-402 (1984)
A.Z.	TOSHIHIRO FUJII ET AL., "CHEMICAL IONIZATION MASS SPECTROMETRY WITH LITHIUM ION ATTACHMENT TO THE MOLECULE", Analytical Chemistry, Vol. 61, No. 9, pp. 1026-1029 (1989)
A.Z.	TOSHIHIRO FUJII, "A NOVEL METHOD FOR DETECTION OF RADICAL SPECIES IN THE GAS PHASE: USAGE OF LI+ ION ATTACHMENT TO CHEMICAL SPECIES", Chemical Physics Letters, Vol. 191, No. 1.2, pp. 162-168 (1992)
A.Z.	T. FAYE ET AL., "SODIUM ION ATTACHMENT REACTIONS IN AN ION TRAP MASS SPECTROMETER", Rapid Communications in Mass Spectrometry, Vol. 13, pp. 1066-1073 (2000)

Examiner  
Signature

A.Z.

Date  
Considered

6/25/04

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